

WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

November 3, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JS 03.06.2010*

FROM: Kevin Lundmark, Environmental Scientist II *KLW*

RE: 2010, 2nd Quarter Water Monitoring, Plateau Mining Corp. (PMC), Star Point Mine, C0070006, WQ10-2, Task ID #3570

The Star Point Mine is in reclamation. The mines have been closed and sealed since the spring of 2000. The disturbed areas around the portals have been regraded to AOC and seeded. Phase II Bond Release for 95.3 acres of land was approved January 2009. The reclamation water monitoring schedule for the Star Point Mine is provided in Table 731.211a in Chapter 7 of the MRP. The water quality analysis schedule is shown in Table 731.211b.

This report was prepared from monitoring data queried from the UDOGM database. The data that support this report were collected and submitted to the database by the Operator. The data were downloaded into file O:\007006.STP\Water Quality\Data\STP_2010WQ.xls for this review.

1. Was data submitted for all of required sites?

Springs YES [X] NO []

Spring 971 is required to be monitored monthly during May and July through September. If snow prevents access during May the operator monitors in June. The Operator reported "No Flow" at the spring on June 16, 2010.

Streams YES [X] NO []

Surface Water sites ST-1 (North Fork of Right Fork Miller Creek) and 10-1 (Sage Brush Canyon below permit boundary) are to be monitored quarterly. No flow was reported at site 10-1 on June 16, 2010. Site ST-1 was reported with a discharge of 6 gallons per minute on June 29, 2010.

Wells **YES** [☐] **NO** [☐]

Not applicable. There are no active wells at the site.

UPDES **YES** [☐] **NO** [☐]

Not applicable. All UPDES discharge points have been reclaimed and the associated discharge monitoring points were inactivated by the DEQ Division of Water Quality in November 2004, therefore UPDES monitoring is no longer performed or reported to DEQ.

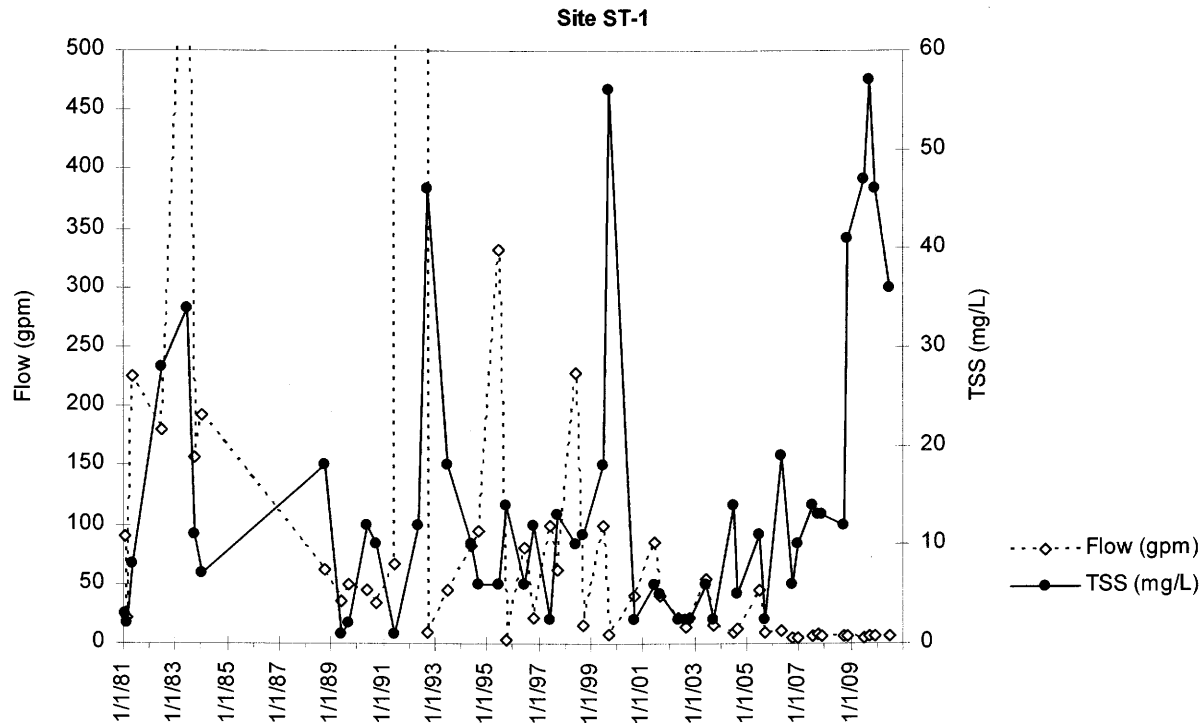
2. Were all required parameters reported for each site?

Streams **YES** [X] **NO** [☐]

3. Were irregularities found in the data?

Streams **YES** [☐] **NO** [X]

Stream monitoring site 10-1 is typically dry. The last reported flow at site 10-1 was during third quarter 2001. Total suspended solids (TSS) concentrations at site ST-1 have been elevated recently, reportedly due to either logging or grazing activities in the watershed. The TSS concentration at ST-1 during 2nd quarter 2010 (36 mg/L) suggests that the TSS concentration in North Fork Right Fork Miller Creek is returning to a more typical level (see graph below).



4. On what date does the MRP require a five-year resampling of baseline water data.

Resampling for baseline water quality parameters is required during year five of the mining permit (the year preceding permit renewal). The current permit expires January 28, 2012.

5. Based on your review, what further actions, if any, do you recommend?

None

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? Yes [] No [X]